

## REMARKS

Appellant has amended claim 14 so that it is independent to eliminate the Examiners objection to this claim. The claims 7, 9, 10, 11 are now dependent upon claim 14. Accordingly, claims 7 and 9-14 should be allowable. Applicant has amended claims 1, 21 and 40 to more accurately define Applicant's invention. Checks in the amount of \$120.00 and \$300 are enclosed to cover the fees for the additional claims and other fees due. Applicant is also submitting herewith a revised Figure 4 to add the numbering to that Figure.

The claims have been amended to provide that in the current invention each node does not have to gather, evaluate and store information about all other nodes in the network of nodes in order to establish the best path from such node to the destined node in this network. Unlike the present invention, the invention embodied in U.S. Patent No. 6,456,599 to Elliot teaches that in order to determine the optimal path from given node to the destined node in the same network, the given node must collect, sort out and store information about every other node in the network. See Elliot col.4 lines 60-64, col.6 lines 35-40. Such collection of link information is necessary for the purposes of establishing of a network topology, which then is used to solve the problem of routing between nodes. US Patent No. 6,456,599 further teaches that each node has a complete map of the network topology. See Col.5 lines 64-66. Elliot does not teach or suggest the current invention. In fact, the information stored in each node of the present

invention relates only to neighboring nodes and thus a given node only needs to evaluate and determine which one of such neighboring nodes would be the best one to transmit the message from given node. A key distinction of the current invention from '599 patent is that each node, taking into consideration one or more parameters such as length of the path between nodes or particular node traffic congestion, has to select a node among only neighboring nodes to transmit information from the given node. In such network, when each node accomplishes this task, thus the most efficient path from given node to destined node would be established and message would reach destined node faster and with minimal costs of transmission.

#### CONCLUSION

In view of the foregoing amendment to the claims, Applicant submits the application is in condition for allowance.

Respectfully submitted,

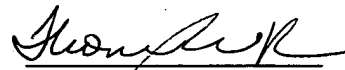


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I hereby certify that the foregoing documents were mailed by first class mail, postage prepaid, in an envelope addressed to the Hon. Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450 , this 7<sup>th</sup> day of February, 2005.

  
Thomas A. O'Rourke